

ABSTRACT

If an RF signal is to be shut only by open/close of an FET, a path loss in an ON status becomes large and a sufficient
5 isolation cannot be retained in an OFF status, respectively in a high frequency range.

A high frequency circuit having shunt circuits between a high frequency transmission path 13 and GND, has, for example, two shunt circuits 11 and 12 including active elements 14 and
10 15 and impedance elements (L1, L2, C). These shunt circuits 11 and 12 are configured in such a manner that a parallel resonance circuit of the impedance elements (L1, C) is formed when the active elements 14 and 15 are ON, and a serial resonance circuit of the impedance elements (C, L2) is formed when the
15 active elements are OFF.